AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still pictures, comprising:

a data area storing first and second stream files, the first stream file including presentation data, the second stream file including audio data, the presentation data being divided into a number of still picture units, the still picture units including at least a still picture and associated related data, the related data not including audio data; and

a navigation area storing at least one playlist file[[,]] and first and second clip information files, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating an in-point and an out-point of a the first stream file for reproducing the presentation data such that a still picture and related data in a still picture unit are reproduced synchronously at least one still picture , the playitem further including duration information indicating whether to display the still picture for one of a finite and an infinite period of time, the sub-playitem indicating an in-point and an out-point of a the second stream file for reproducing the audio data asynchronously and independently from the still picture unit, the first clip information file including a first entry point map, the first entry point map including at least one entry point pointing to the still picture mapping between a presentation time and a unit of the first stream file, and the second clip information file including a second entry point map, the second entry point map including at least one entry point pointing to the audio data mapping between a presentation time and a unit of the second stream file; and

a data area storing the first and second stream files, the data area being separate from the navigation area,

wherein the first clip information file corresponds to the first stream file and the second clip information file corresponds to the second stream file, and the clip information files are separate from the playlist file.

2. (Previously Presented) The computer-readable medium of claim 1, wherein the entry point of the first entry point map provides an address of the still picture.

3. – 8. (Canceled)

9. (Currently Amended) The computer-readable medium of claim 8̶1, wherein the related data includes graphics data.

10. (Currently Amended) The computer-readable medium of claim 8̶1, wherein the related data includes subtitle data.

11. (Canceled)

12. (Currently Amended) The computer-readable medium of claim 1̶1̶1, wherein the presentation data is multiplexed into a transport stream on a still picture unit b̶y̶ ̶s̶t̶i̶l̶l̶ ̶p̶i̶c̶t̶u̶r̶e̶ ̶u̶n̶i̶t̶ basis.

13. (Previously Presented) The computer-readable medium of claim 12, wherein each elementary stream of the presentation data are aligned within the still picture unit.

14. (Previously Presented) The computer-readable medium of claim 13, wherein each elementary stream is a packetized elementary stream.

15. (Previously Presented) The computer-readable medium of claim 14, wherein each still picture unit includes one packet from each packetized elementary stream.

16. (Canceled)

17. (Canceled)

18. (Currently Amended) A method of recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

recording first and second stream files, the first stream file including presentation

data, the second stream file including audio data, the presentation data being divided into a number of still picture units, the still picture units including at least a still picture and associated related data, the related data not including audio data at least one first and second stream files in a data area of the recording medium; and

recording at least one playlist file[[,]] and first and second clip information files in a navigation area on the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating an in-point and an out-point of the first stream file for reproducing at least one still picture the presentation data such that a still picture and related data in a still picture unit are reproduced synchronously, the playitem further including duration information indicating whether to display the still picture for one of a finite and an infinite period of time, the sub-playitem indicating an in-point and an out-point of the second stream file for reproducing the audio data asynchronously and independently from the still picture unit, the first clip information file including a first entry point map, the first entry point map including at least one entry point mapping between a presentation time and a unit of the first stream file, pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point mapping between a presentation time and a unit of the second stream file pointing to the audio data,

wherein the data area is separate from the navigation area,

the first clip information file corresponds to the first stream file and the second clip information file corresponds to the second stream file, and the clip information files are separate from the playlist file.

19. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

reproducing first and second stream files, the first stream file including presentation data, the second stream file including audio data, the presentation data being divided into a number of still picture units, the still picture units including at least a still picture and associated related data, the related data not including audio data at least one first and second stream file in a data area of the recording medium,; and

reproducing at least one playlist file[[,]] and first and a-second clip information files in a navigation area from the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem indicating an in-point and an out-point of the first stream file for reproducing the presentation data such that a still picture and related data in a still picture unit are reproduced synchronously, the playitem further including duration information indicating whether to display the still picture for one of a finite and an infinite period of time at least one still picture, the sub-playitem indicating an in-point and an out-point of the second stream file for reproducing the audio data asynchronously and independently from the still picture unit, the first clip information file including a first entry point map, the first entry point map including at least one entry point mapping between a presentation time and a unit of the first stream file pointing to the still picture, and the second clip information file including a second entry point map, the second entry point map including at least one entry point mapping between a presentation time and a unit of the second stream file pointing to the audio data,

wherein the data area is separate from the navigation area, the first clip information file corresponds to the first stream file and the second clip information file corresponds to the second stream file, and the clip information files are separate from the playlist file.

20. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

a pick up configured to record data on the recording medium; and

a controller configured to control the pick up to record first and second stream files, the first stream file including presentation data, the second stream file including audio data, the presentation data being divided into a number of still picture units, the still picture unit including at least a still picture and associated related data, the related data not including audio data, and configured to control the pick up to record first and second stream files in a data area of the recording medium, and configured to record at least one playlist file[[,]] and first and second clip information files in a navigation area of the recording medium, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating an in-point and an out-point of the first stream file for reproducing at least one still picture, the

presentation data such that a still picture and related data in a still picture unit are reproduced synchronously, the playitem further including duration information indicating whether to display the still picture for one of a finite and an infinite period of time, the sub-playitem indicating an in-point and an out-point of the second stream file for reproducing the audio data asynchronously and independently from the still picture unit, the first clip information file including a first entry point map, the first entry point map including at least one entry point ~~pointing to the still picture~~ mapping between a presentation time and a unit of the first stream file, ~~and~~ the second clip information file including a second entry point map, the second entry point map including at least one entry point mapping between a presentation time and a unit of the second stream file ~~pointing to the audio data,~~

~~wherein the data area is separate from the navigation area on the recording medium, the first clip information file corresponds to the first stream file and the second clip information file corresponds to the second stream file, and~~

~~the clip information files are separate from the playlist file.~~

21. (Previously Presented) An apparatus for reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

a pick up configured to reproduce data recorded on the recording medium; and

a controller configured to control the pick up to reproduce first and second stream files, the first stream file including presentation data, the second stream file including audio data, the presentation data being divided into a number of still picture units, the still picture units including at least a still picture and associated related data, the related data not including audio data, and configured to control the pick up to reproduce ~~first and second stream files in a data area on the recording medium and to reproduce~~ at least one playlist file, a first clip information file and a second clip information file ~~in a navigation area from the recording medium~~, the playlist file including at least one playitem and at least one sub-playitem, the playitem indicating an in-point and an out-point of the first stream file for reproducing ~~at least one still picture~~ the presentation data such that a still picture and related data in a still picture unit are reproduced synchronously, the playitem further including duration information indicating whether to display the still picture for one of a finite and an infinite period of time, the sub-playitem indicating an in-point and an out-point of

second stream file for reproducing <u>the</u> audio data <u>asynchronously and independently from the still picture unit</u>, the first clip information file including <u>a</u> first ~~a~~ entry point map, the first entry point map including at least one entry point ~~pointing to the still picture~~ <u>mapping between a presentation time and a unit of the first stream file</u>, ~~and~~ the second clip information file including a second entry point map, the second entry point map including at least one entry point ~~pointing to the audio data~~ <u>mapping between a presentation time and a unit of the second stream file</u>~~;~~

~~wherein the data area is separate from the navigation area on the recording medium,~~

~~the first clip information file corresponds to the first stream file and the second clip information file corresponds to the second stream file, and~~

~~the clip information files are separate from the playlist file.~~

22. (Canceled)

23. (Currently Amended) The method of claim ~~22~~<u>18</u>, wherein the related data includes graphics data.

24. (Currently Amended) The method of claim ~~22~~<u>18</u>, wherein the related data includes subtitle data.

25. (Canceled)

26. (Currently Amended) The method of claim ~~25~~<u>18</u>, wherein the presentation data is multiplexed into a transport stream on a still picture unit ~~by still picture unit~~ basis.

27. (Previously Presented) The method of claim 26, wherein each elementary stream of the presentation data are aligned within the still picture unit.

28. (Canceled)

29. (Currently Amended) The method of claim ~~28~~<u>19</u>, wherein the related data includes graphics data.

30. (Currently Amended) The method of claim 2819, wherein the related data includes subtitle data.

31. (Canceled)

32. (Currently Amended) The method of claim 3119, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

33. (Previously Presented) The method of claim 32, wherein each elementary stream of the presentation data are aligned within the still picture unit.

34. (Canceled)

35. (Currently Amended) The apparatus of claim 3420, wherein the related data includes graphics data.

36. (Currently Amended) The apparatus of claim 3420, wherein the related data includes subtitle data.

37. (Canceled)

38. (Currently Amended) The apparatus of claim 3720, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

39. (Previously Presented) The apparatus of claim 38, wherein each elementary stream of the presentation data are aligned within the still picture unit.

40. (Canceled)

41. (Currently Amended) The apparatus of claim 4021, wherein the related data includes graphics data.

42. (Currently Amended) The apparatus of claim ~~40~~21, wherein the related data includes subtitle data.

43. (Canceled)

44. (Currently Amended) The apparatus of claim ~~43~~21, wherein the presentation data is multiplexed into a transport stream on a still picture unit ~~by still picture unit~~ basis.

45. (Previously Presented) The apparatus of claim 44, wherein each elementary stream of the presentation data are aligned within the still picture unit.